



# LTE ANTENNA

Antenna LTE Magnet Mount 90,  
5-9 dBi, SMA (m), RG174/3m

AO-ALTE-MG9S

SECTRON company offers a wide portfolio of LTE antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.

## BENEFITS

- Low VSWR
- Gain
- Easy installation

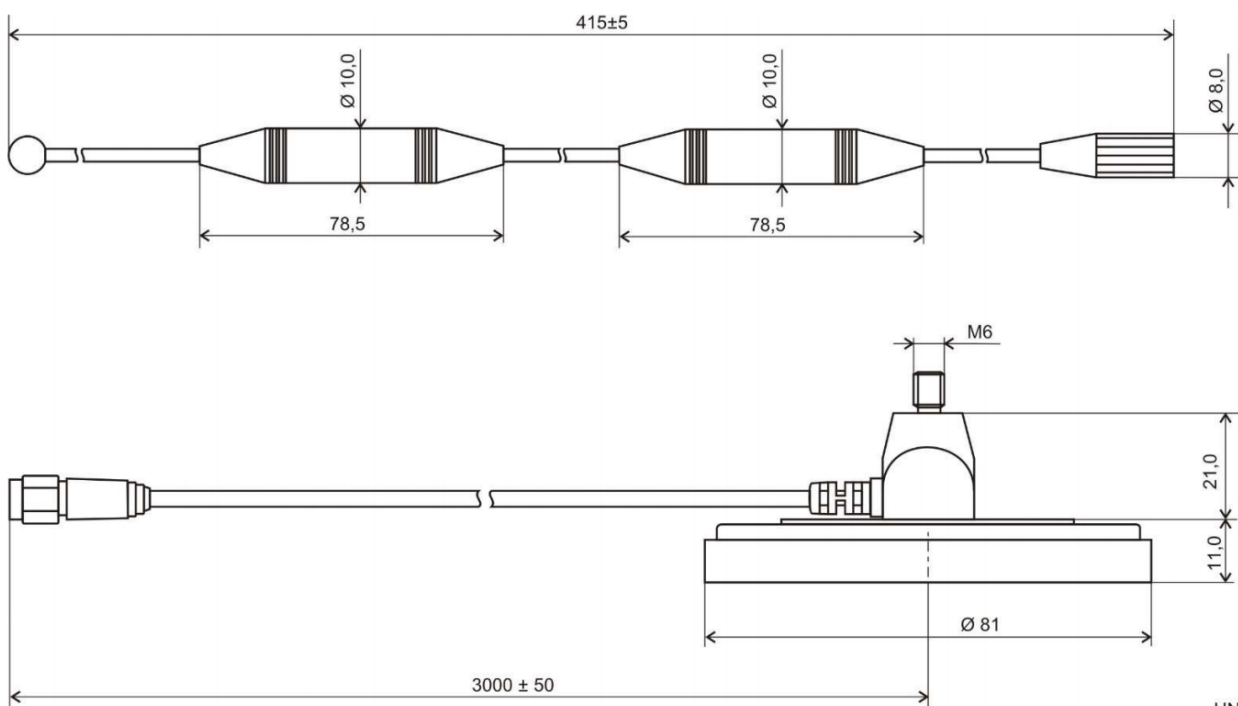


## FEATURES

AO-ALTE-MG9S

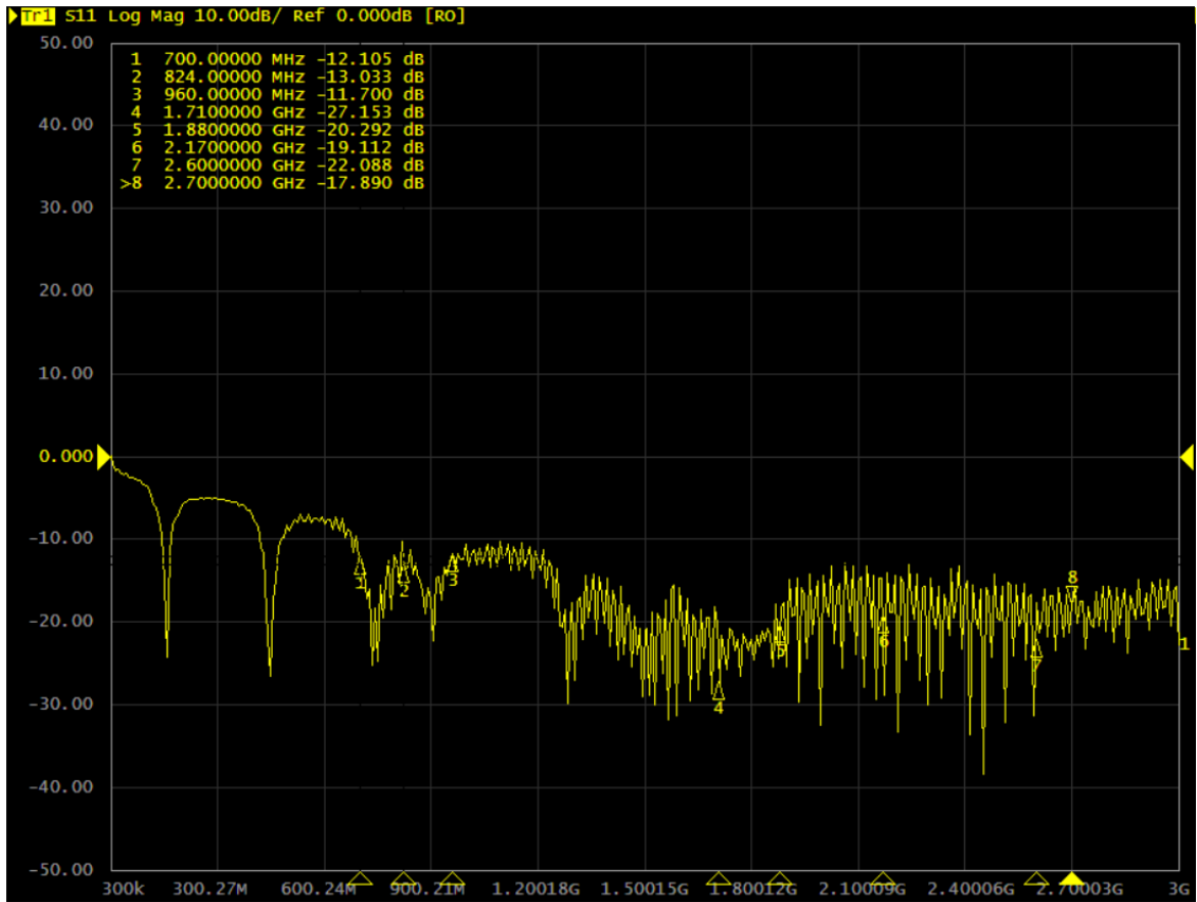
|                       |                                 |
|-----------------------|---------------------------------|
| Technology            | GSM/UMTS/LTE                    |
| Frequency bands       | 700~900/1700~2100/2500~2700 MHz |
| Bandwidth             | -                               |
| Gain                  | 5~9 dBi                         |
| VSWR                  | <1.7:1                          |
| Impedance             | 50 Ohm                          |
| Directivity           | Omnidirectional                 |
| Beam angle            | Attached graphs bellow          |
| Polarization          | Linear                          |
| Maximum input power   | 10 W                            |
| Power voltage         | -                               |
| Dimensions            | Ø 81.0 x 447.0 mm               |
| Weight                | 248.7 g                         |
| Operating temperature | -30 to +90 °C                   |
| Execution             | External                        |
| Method of attachment  | Magnet Mount                    |
| Cable type            | RG174/U                         |
| The cable length      | 3 m                             |
| Connector type        | SMA (m)                         |
| Certification         | RoHS, ISO9001, ISO14001         |
| Material              | PVC/PBT/FRP                     |

## DRAWING

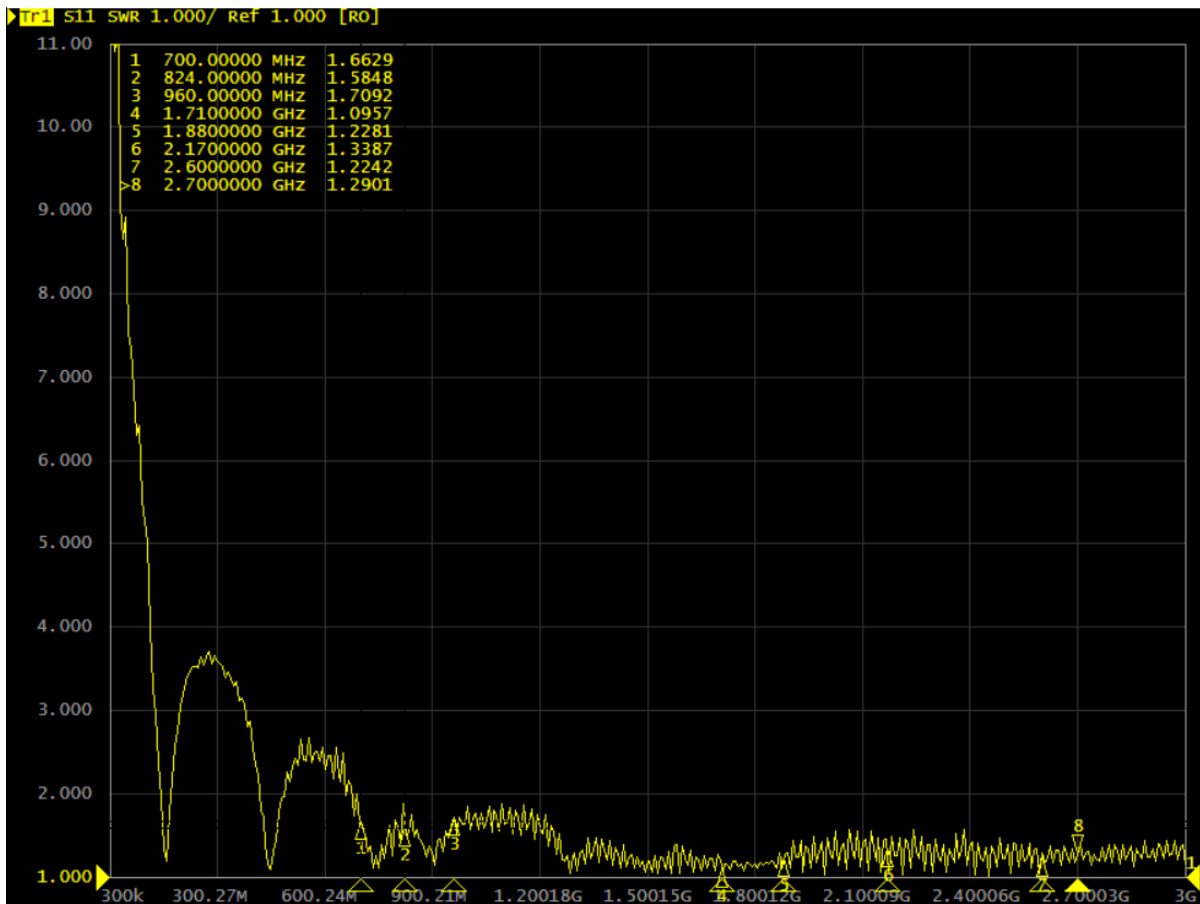


UNIT: mm

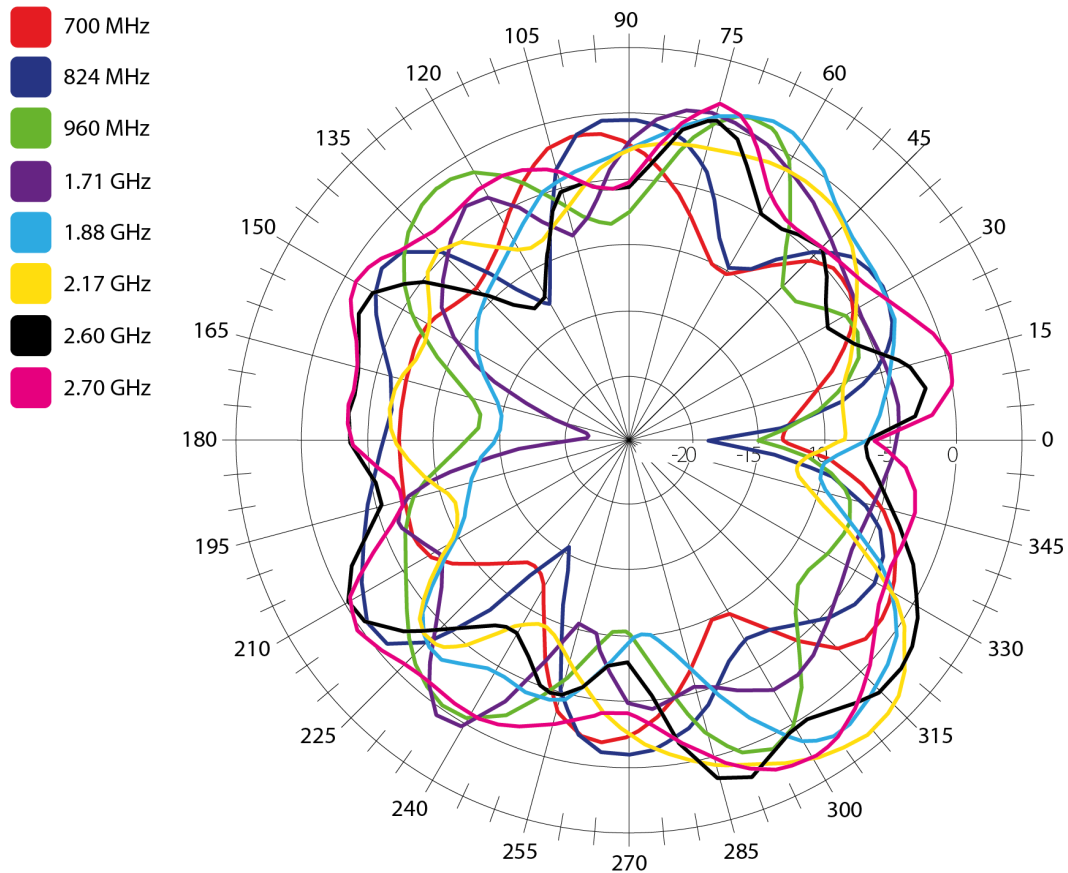
$S_{11}$  - Return Loss [dB]



VSWR – Voltage standing wave ratio [-]



## RADIATION PATTERN - 2D



## SUMMARY

| Frequency [MHz] | $S_{11}$ [dB] | VSWR [-] | Efficiency [%] | Gain [dBi] |
|-----------------|---------------|----------|----------------|------------|
| 700             | -12.10        | 1.66     | 29.72          | -1.08      |
| 824             | -13.03        | 1.58     | 39.90          | 0.49       |
| 960             | -11.70        | 1.70     | 49.20          | 1.10       |
| 1710            | -27.15        | 1.09     | 44.16          | 1.05       |
| 1880            | -20.29        | 1.22     | 50.82          | 3.49       |
| 2170            | -19.11        | 1.33     | 44.57          | 3.66       |
| 2600            | -22.08        | 1.22     | 52.72          | 2.92       |
| 2700            | -17.89        | 1.29     | 66.99          | 4.84       |

## VARIANTS

Different connector variants or cable lengths are available on request.

## CONTACTS